

PRODUCT DATA SHEET - SPECIALTY FERTILIZERS

ULTRASOL SOP-52

Soluble Grade - Crystallized

CAS N° 7778 - 80 - 5

GENERAL DESCRIPTION	
CHEMICAL FORMULA	K ₂ SO ₄
APPEARANCE	White crystalline powder
ORIGIN	Non-synthetic brines
ADDITIVES	Antidust treatment

CHEMICAL SPECIFICATIONS GUARANTEED	
POTASSIUM (measured as) K	% 43 min
(calculated as) K ₂ O	% 52 min
SULFATE (measured as) SO ₄	% 53 min
(calculated as) S	% 18 min
CHLORIDE Cl	% 1.0 max
INSOLUBLES	% 0.1 max

CHEMICAL SPECIFICATIONS TYPICAL	
POTASSIUM (measured as) K	% 44.3
POTASSIUM (calculated as) K ₂ O	% 53
SULFATE SO ₄	% 53
(calculated as) S	% 18
CHLORIDE Cl	% 0.7
MAGNESIUM MgO	% 0.4
CALCIUM Ca	% 0.1
INSOLUBLES	% 0.01
pH (1% w/v solution)	4.5

SCREEN ANALYSIS TYPICAL			
US Standard Sieve	Tyler	microns	
+ 40	+ 35	> 425	0.5%
- 200	- 200	< 75	8.0%

PHYSICAL PROPERTIES	
SOLUBILITY (in water at 20 °C)	12.4 g / 100 cm ³
BULK DENSITY STRUCK	1.4 ton (metric) /m ³
LOOSE	1.3 ton (metric) /m ³
ANGLE OF REPOSE	36°

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